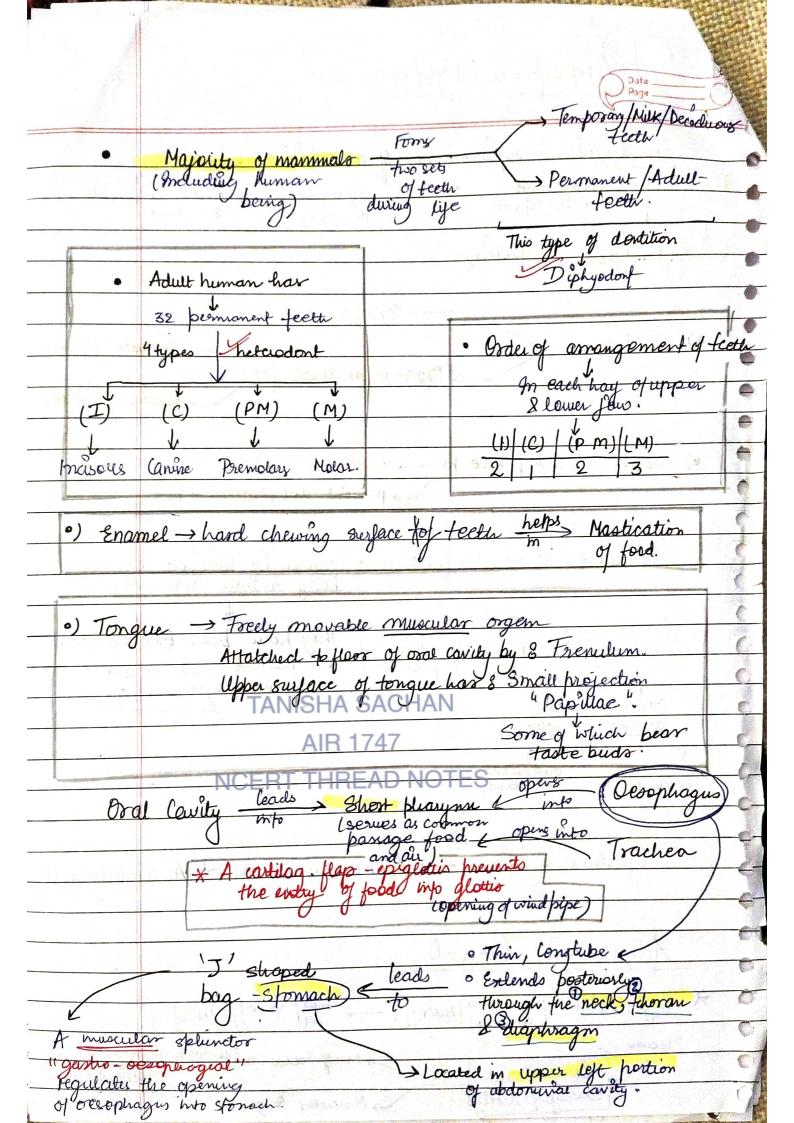
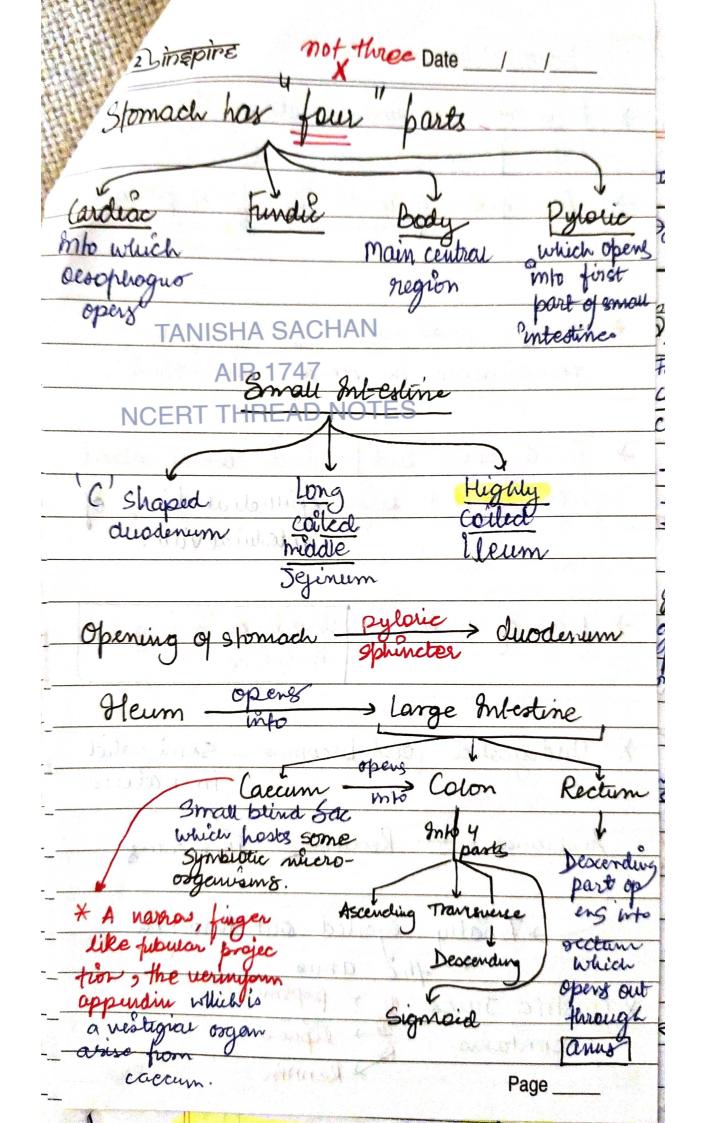
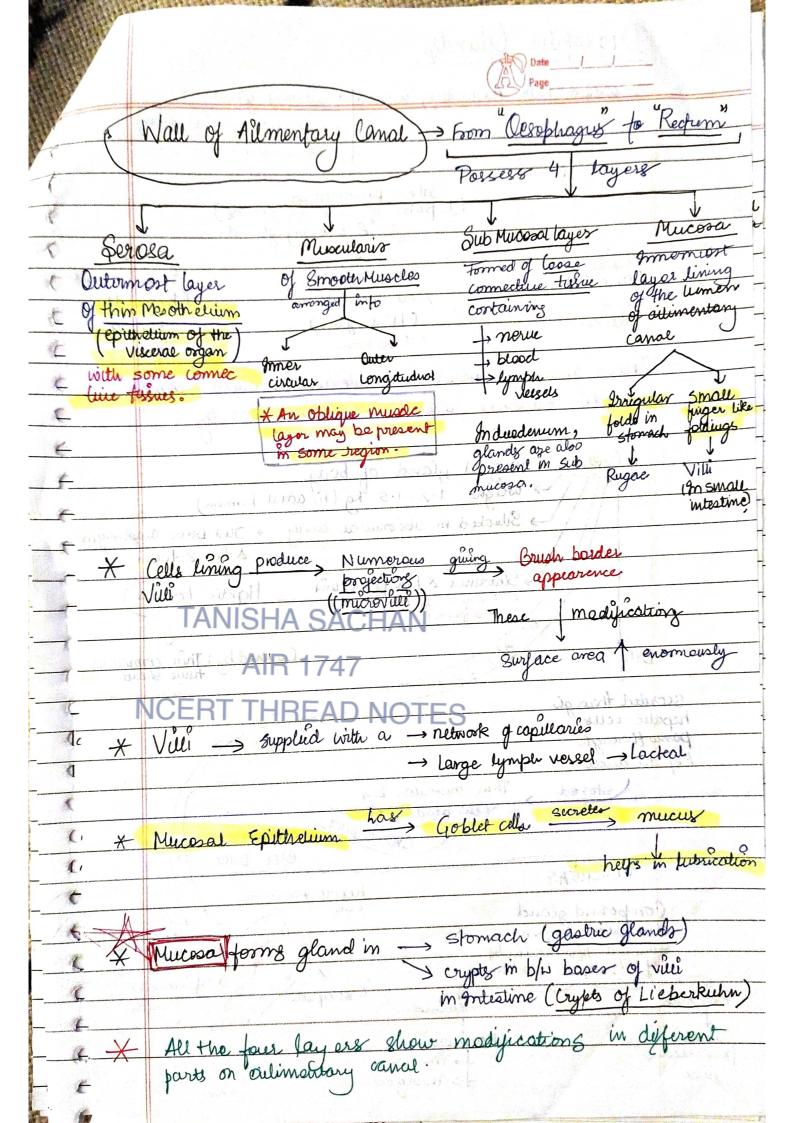
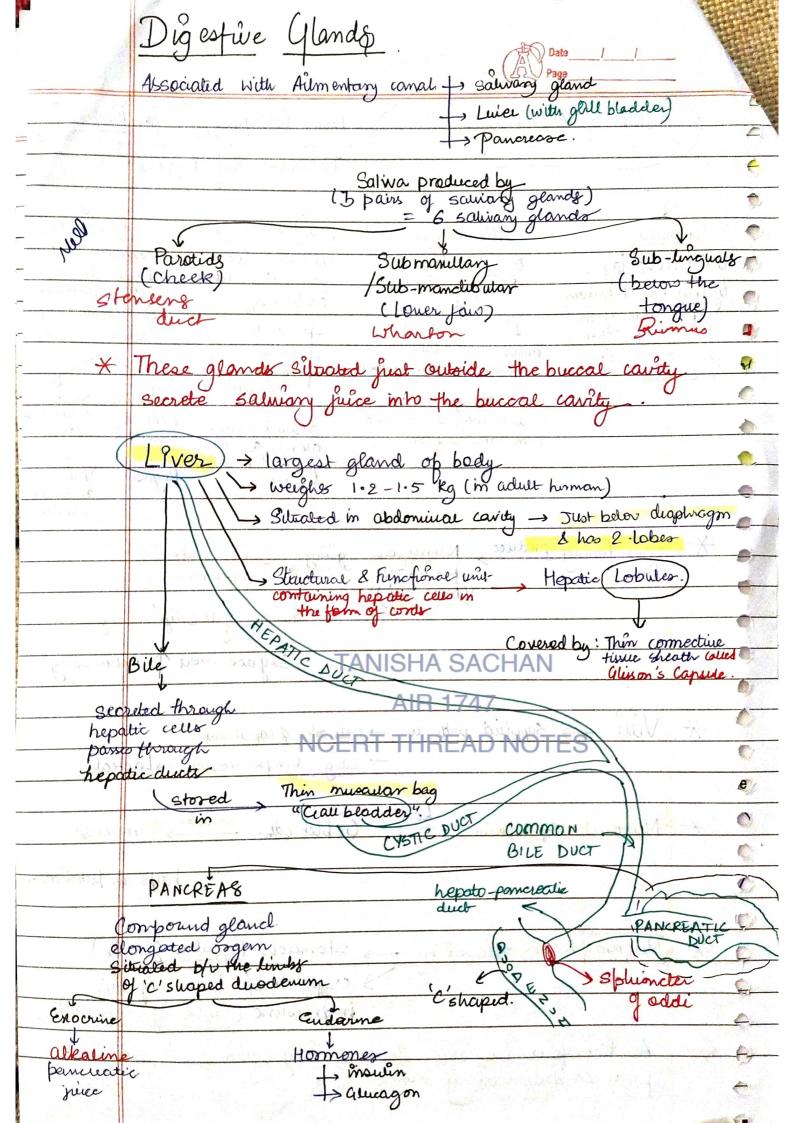
The second second	
5	($)$ $)$ $($ $)$
	/ Ligestine Oystern
	Dote Page
~	
ſ	Food -> basic requirements of all living being. major Vitamine Required in small guartities.
10	major Vitamine Provided in small
1	components of food minerals quantities.
Carbol	ryd. Fats Brokerns
	Township of Clark
(- Energy
•)	Food oil -
5	Food gives Growth of tenues
•	> Organic materials for
	Repair of turnes
•)	Water -> Imp role in -> metabolic processes
	> prevent delightation of body
(the first of the f
	Biomacromolecules in food -> cannot be utilised by our
	Biomacromoleauer in food -> cannot be utilised by our body in their original form.
	They have been broken down
A.	
<u>*</u> ·	procese à converted into simple subst. in digestive system.
	Carried out by
	digestice engines IANISTA SACHAN
Mech	anical Brochemical AIR 1747
	theds methods
	NCERT THREAD NOTES
-	D ?
-	Digestive system -> Almentary canal + Associated glands
	Ailmentary Canal
	Thirt engury
1 ×	Beging with - antonior [MOUTH]) - ends poderiorly [ANUS]
1-	
7-	to (a sale of fow bone
	(THECODONT)
.)	Muscular tongue

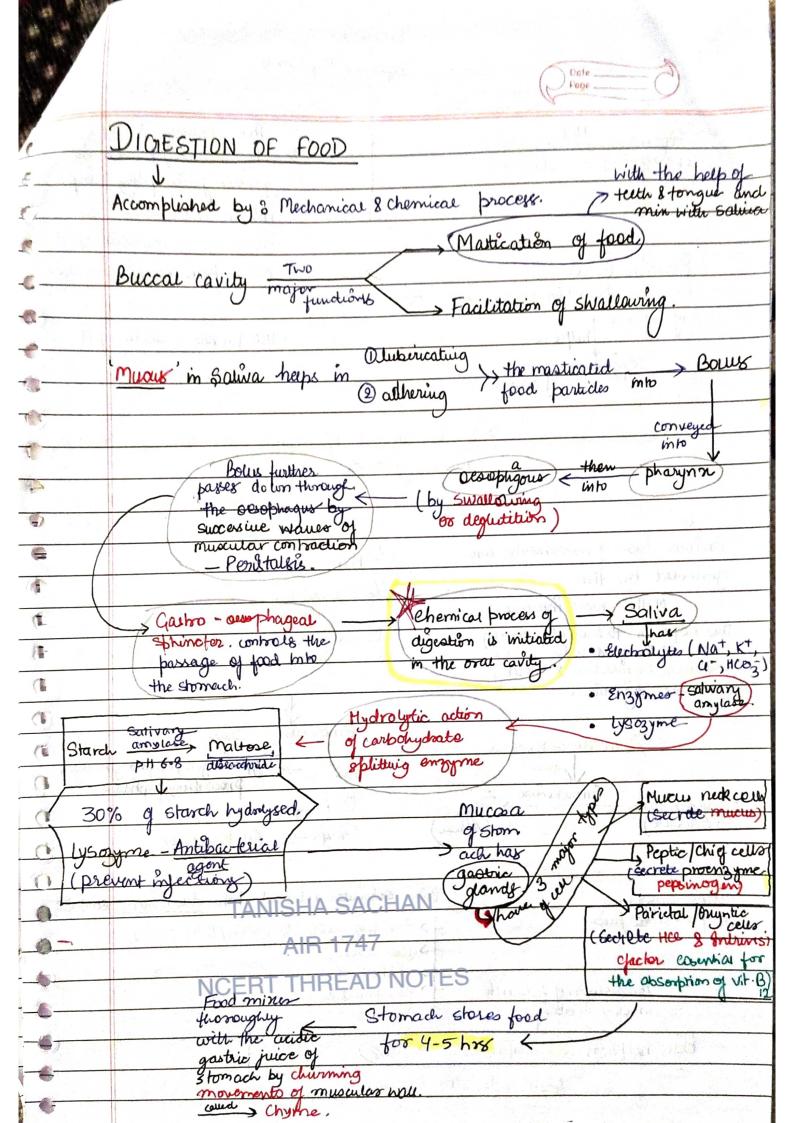


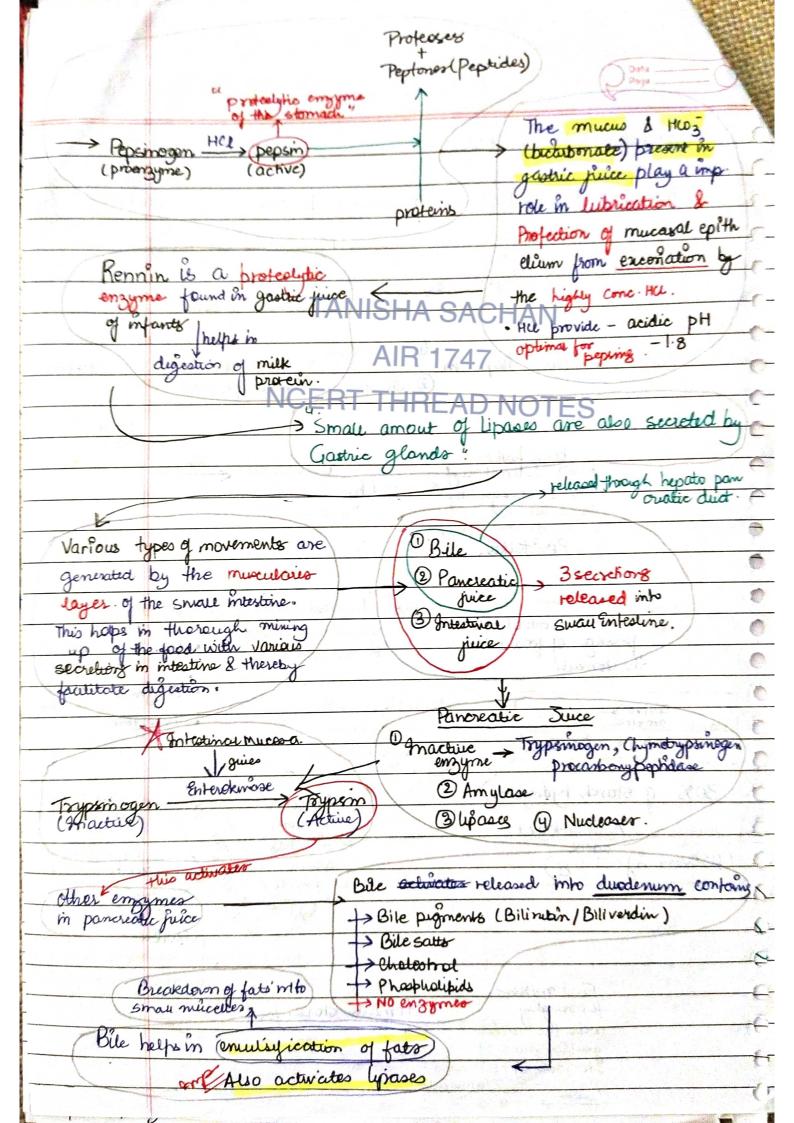


born Dinspire	
* In stomach, mainly	protein digestion
takes place.	
* Absorption of medi	(Stomach)
TANISHA SACHA	
* Mongue manipulat	es food for proper
* Modern Thread No.	nining with Salwa.
* The digested end points body Hurough	roducts are absorbed
into body through	epithelial living of
(41)	mtestuial villi.
rev.L	inco f Contraction of the Contra
* Most of water -	absorbed in large
	Intertine
	The same of the sa
* Undigested food b	ecomes - seni solid
Less (A moss) man	in nature
Anal canal - Rect	im & then enters
OV V C	
Frially egest	ed out through
the o	inus
* Gastric Juice	pepson
contains Q	Rennin Page
	Kennin Page











> Goblet cells secrets , Nucus * Intestinal mucosal epithelium has-Goblet cells Brush border cells secretions of Mucooa Interimal juice Sucas Entericus container Variety of Enzymes TANISHA SACHAN → disaccharidases (eg. maltase) 1747 > dipeptidases THREAD NOTES > lipases Nucleondases Protects intestinal mucosa from acid as well as provides 1 > mucus on alkaline medium (PH - 7.8) from pamerease > Bicarbonates for enzymatic activities Sub mucosal glands - Brummer's Gland. 1 1 Acted upon by > Reach Professes In the protecytic enzymes Intestina Professes - chyma of panerestic fince. Peptones/partially hydrolysed proteins) Proteins Trypem / Chymotrypim Dipeptides Peptones Carbonypeptidase. Professes



E

· Carbohydrates in chyrne → hydrolysed → By pancreatic amylase
Polysachorides Amylase Dysachrides (Starch) TANISHA SACHAN
• Fots → broken down → By lipase → sith the help NCERT THREAD NOTES Fats Lipase Diglycerides — monoglycerides
• Nucleases in pancreatic juice on nucleic ocid
Nucleic acid Nucleotides Nucleotides Nucleotides
The enzymes in sucar enterious - act on end product of above reaction - to form the respective simple absorbable forms. These steps occur very doce to the nuccosal epithelium of meestine.
Mestine. These steps occur very dose to the microal epinture of meetine.
Dipeptides AA Mattore Mattase > 2 Glucose
Lactore Loctore > Glucore + Galactore
Bucrose <u>Sucrose</u> > 4/wore + Fructore Nucleotides Nucleotidases Nucleosides Nucleosidases > Sugary + Bases
Nucleotides Nucleotides Nucleosides Nucleosides Nucleosides Sugary + Bases Di 2 Monoglyverides Lipase Fatty acids + Gyrenol

simple Substance Breakdown of occurs absorbed biomarom olecules region of or Sejenum & gleum Passed to the Undigested & Unahsorb < large Intestine No significant digestive activity occurs here hinctions (1) absorption of some minerals certain drugt. (ii) Secretion of mucus helps adhering the waste (undigested)
in particles together & Publicating it for an easy possage. Undigested & unansorbed substance called facces. enters Caecum (through the fleo-caesal value) 4 prevents the back flow of foecal It is temposarily stored in Redam.

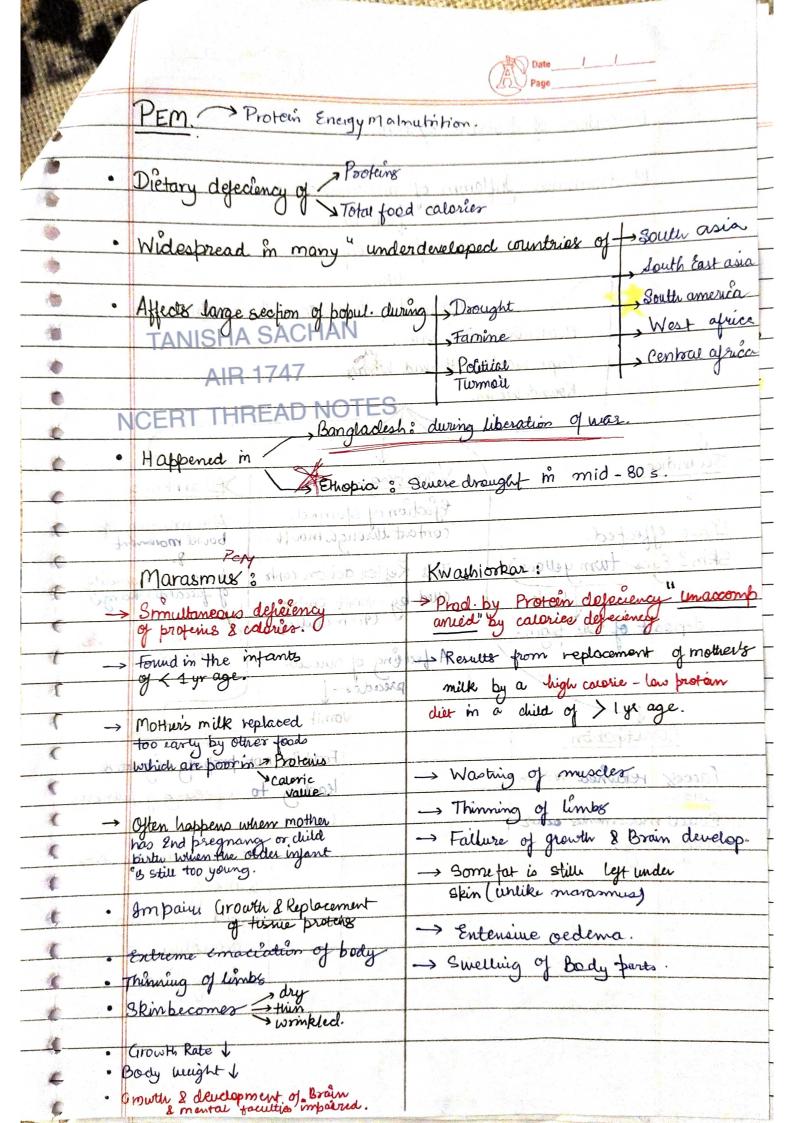
Activities of Gastro-intestinal fract under "neural" & "hormonal" control. proper d'ordination of different parts Sight, Smell for the 3 presence of food in oral cairty
stimulates TANISHA SACHAN
Secrotion of Sawa AIR 1747
NOEDT (gastric & Infestinal secretions are also stimulated by the neural signals. Muscular activities of different parts mederated by of allmentary canal neural machine local Hormonal Control - Secretion of digestive finces

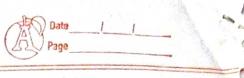
carried out by local hormones I produced by Gastrie & Infortinal Mucora.



			Commence of the second
	Absorption o	digested products:	
	Ena praducts	of digestion	Intestinal into > Blood
		Carried out by	
	etive	Passive	(Facilitated
Smo	ant of	" Some sulx" like	Various neutriento
mone	wachrides like	O quiose	like OAA
O Glu DAA	C034 .	n_{F}	Monosachides like Glucese
	e electrolytes	with the help of carries problem	Electrolytes like
	simple diff	TANISHA SACHAN	ONa+
X	The passage (these substance tood, into CERT THREAD NO substance on smotic	depends on conc gradient TES gradient.
	Fatty auds	2 Glycerol - Insoluble	> X be absorbed into block
	J	more Intertinal	nejormed
	First meer boo	mo	mito
•	into small dr	in lumon	Verysmale
-	1 1	m when	coated Fat
1	ymph veselultin	rately	globul
re	lease the	Lymph trampor	ted CHYLOMICRONES
2	substance into b		N.V.
-	sheam.	ALTON AND THE RESERVE	
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	conpressed in terms of measure of measure	
	form of cut with thes.	Later Control
		(calorie) (joute)
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	A Last Above Ed	Physioligical Values &
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	from complete combustion	The actual and of
	of 19 food in a bomb	energy combustion of
	catorineter. (a closed	19 food.
	metal chamber filled with 02)	
	10.11	Ja da a Carolla
- William	Control of the contro	Carlo Prot. Fat.
	Carb Prot. Fat	Carb Prot. tat.
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k	ar/2 TANISHA SACHAN	Knalfa
	consider to be about the constant of the const	
	AIR 1747	the same adj
	NCERT THREAD NOTE	S
	Absorbed substance > Reach the which ut	re filmes process
		ach vities Assimilation =
	Digestive waste -> solidified.	mb (in rectum)
	carried Man perestative	Priviliates
	Provensia	Neural region
	proces	
	egestion of	— or desire for
	Mouteride through	its removal.
# 1	and open opening	TARREST I
*		myo,
7	Liver - secretes RBC in emb	A South Millians W. Clarke
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	DENTAL FORMULA'S	and the special section of the secti
	(25 ym)	Lord Carry
1)	ADULT - 2123 2) A	DOLES (NT - 2122)
	2123	(1843) 2122
. 2)	INFANT - 2102	Wisdom both
0	1 2102	absent.
	& last nider absent	





Disorders of digestive system. Most common: Inflamm of intertinal tract. Jave to Bact / Viral Infection. OR. Panaritic Infection. One of the pinner. Order Infection of the product Infection of food. Pararitic Infection of the product Infection o	The state of the s	Page	-
Back Visal Injection. OR. Panaritic Infection. (In infestine) Hook worm, Pousern. Tope Worth, thread worm. Round worm. Spection of stomach Content through mouth Content through mouth Brusacd liquidity Gleets of bile pigm. Oud by vonit curre One to bile pigm. Construction Constructio		Disorders of digestive system.	-
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